

Recombinant Human DHCR24 293 Cell Lysate

Cat. No. DHCR24-6950HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 24-dehydrocholesterol reductase (DHCR24) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name DHCR24 24-dehydrocholesterol reductase [Homo sapiens]

Official Symbol DHCR24

Synonyms DHCR24; 24-dehydrocholesterol reductase; delta(24)-sterol reductase; KIAA0018; seladin 1; diminuto/dwarf1 homolog; selective AD indicator 1; desmosterol-to-cholesterol enzyme; 3 beta-hydroxysterol delta 24-reductase; 3-beta-hydroxysterol delta-24-reductase; DCE; SELADIN1; Nbla03646; seladin-1;

Gene ID 1718

mRNA Refseq NM_014762

Protein Refseq NP_055577

MIM 606418

UniProt ID Q15392

Chromosome Location 1p32.3

Pathway Cholesterol biosynthesis, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide =>cholesterol, organism-specific biosystem; Cholesterol biosynthesis, squalene 2,3-epoxide => cholesterol, conserved biosystem; Metabolic

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pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

Function

UDP-N-acetylmuramate dehydrogenase activity; delta24-sterol reductase activity; enzyme binding; flavin adenine dinucleotide binding; oxidoreductase activity, acting on CH-OH group of donors; oxidoreductase activity, acting on the CH-CH group of donors, NAD or NADP as acceptor; peptide antigen binding;

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